Index of Claims

Application/Control No.

10/733,112 Examiner Applicant(s)/Patent under Reexamination

CUMMINGS, EUGENE M.

Art Unit

April A. Taylor

2876

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

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A Appeal
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| Claim   | 1       | Date   |        |        |        |          |          |        | _Cla          | eim _    | Date  |          |   |        |                |          |   |   | CI  | aim  | Date |    |       |          |   |        |   |   |       |   |          |        |        |
|---------|---------|--------|--------|--------|--------|----------|----------|--------|---------------|----------|-------|----------|---|--------|----------------|----------|---|---|---|--|------|----|-------|----------|---|--------|---|---|-------|---|----------|--------|--------|
|         | T       | П      |        |        |        | T        | П        | $\neg$ |               |          |       |          | П | П      | $\neg$         |          | П   | T   | Т   | T  |      |    |       | =        |   |        |   |   |       |   | $\prod$  | $\Box$ |        |
| Final   | 9/30/05 |        |        |        |        | ı        | - 1      |        |               |          | Final | Original |   |        | - 1            |          |   |   |   | 1  |      |    | Final | Original |   |        | ĺ |   | l     |   |          | - 1    | , !    |
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|         | 1,      |        |        |        |        |          | - 1      | - 1    |               |          |       | ٧        |   |        |                |          | - 1   | - 1.  |   |  |      |    |       | ٦        |   |        |   |   |       |   |          | l      |        |
| 11      | JV      | П      |        |        | $\neg$ | $\neg$   | $\neg$   | 7      |               |          |       | 51       |   |        |                |          |   |   | T   | T  |      |    |       | 101      |   |        |   | Г |       |   |          | $\Box$ |        |
| 42      | 1       |        |        |        | П      | $\neg$   | $\neg$   | $\neg$ |               |          |       | 52       |   |        |                |          |   | Т   | $\Box$  |  |      |    |       | 102      |   |        |   |   |       |   |          |        |        |
| 3       | 7       |        |        |        |        | П        | П        | П      | $\neg$        |          |       | 53       |   |        |                |          |   | $\Box$  | Т   | $\top$   |      |    |       | 103      |   |        |   |   |       |   |          |        |        |
| 4       | IV      |        |        |        |        |          |          |        |               |          |       | 54       |   |        |                |          |   |   |   |  |      |    |       | 104      |   |        |   |   |       |   |          |        |        |
| 7 5     | W       |        |        |        |        | П        |          |        |               |          |       | 55       |   |        |                |          |   | П   |   |  |      |    |       | 105      |   |        |   |   |       |   |          |        |        |
| 6       | 1       | П      |        |        |        | П        |          |        |               |          |       | 56       |   |        |                |          |   | $\Box$  | $\perp$   | $\perp$  |      |    |       | 106      |   |        |   |   |       |   |          |        |        |
| 7       | V       |        |        |        |        | $\Box$   |          |        |               |          |       | 57       |   |        |                |          |   |   |   |  |      |    |       | 107      |   |        |   |   |       |   |          |        |        |
| 8       | 1       |        |        |        |        | П        |          |        |               |          |       | 58       |   |        |                |          |   |   | $\Box$  | T  |      |    |       | 108      |   |        |   |   |       |   |          |        |        |
| ( 9     | ☞       |        |        |        |        | $\Box$   | $\Box$   | $\Box$ |               |          |       | 59       |   |        |                |          |   |   |   |  |      |    |       | 109      |   |        |   |   |       |   |          |        |        |
| 10      | 1       |        |        |        |        | $\Box$   | $\Box$   | $\Box$ |               |          |       | 60       |   |        |                |          |   |   |   |  |      |    |       | 110      |   |        |   |   |       |   |          |        |        |
| 11      | V       |        |        |        |        | I        | $\Box$   |        |               |          |       | 61       |   |        |                |          |   | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ |  |      |    |       | 111      |   |        |   |   |       |   |          |        |        |
| (12     |         |        |        |        |        |          | $\Box$   |        |               |          |       | 62       |   |        |                | $\Box$   | $\Box$  | $\Box$  | $\Box$  | $\perp$  |      |    |       | 112      |   |        |   |   |       |   | $\Box$   | $\Box$ |        |
| 13      | 1       |        |        |        |        | $\Box$   |          |        |               |          |       | 63       |   |        | $\blacksquare$ |          | $\Box$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $oldsymbol{\mathbb{I}}$  |      |    |       | 113      |   |        |   |   |       |   |          |        |        |
| 14      | V       |        |        |        | $\Box$ |          |          |        |               |          |       | 64       |   |        | $\Box$         |          |   | I   | $\perp$   | $\perp$  |      |    |       | 114      |   |        |   |   |       |   |          |        |        |
| 15      | 78      |        |        |        |        | $\Box$   | $\Box$   |        |               |          |       | 65       |   |        |                |          | $\Box$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  |  |      |    |       | 115      |   |        |   |   |       |   |          | $\Box$ |        |
| 16      |         |        |        |        |        | T        | $\Box$   | $\Box$ |               |          |       | 66       |   |        | ┚              |          | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  | $oldsymbol{ol}}}}}}}}}}}}}}}$  |      |    |       | 116      |   |        |   |   |       |   |          | $\Box$ |        |
| 17      |         |        |        |        | $\Box$ | $\Box$   | $\Box$   |        |               |          |       | 67       |   |        |                |          | $\Box$  |   |   |  |      |    |       | 117      |   |        |   |   |       |   |          |        |        |
| 18      |         |        |        |        | $\Box$ | $\Box$   |          |        |               | <b>#</b> |       | 68       |   |        | $\Box$         |          | $\Box$  | $oldsymbol{ol}}}}}}}}}}}}}}$  | $\Box$  |  |      |    |       | 118      |   |        |   |   |       |   |          | ┚      |        |
| 19      | 0       |        |        |        |        | П        | П        | П      |               |          |       | 69       |   |        |                |          |   | $\Box$  |   |  |      |    |       | 119      |   |        |   |   |       |   |          | $\Box$ |        |
| 20      | 0       | $\Box$ |        |        |        |          |          |        |               |          |       | 70       |   |        | $\Box$         |          | $\Box$  |   | T   | $oxed{oxed}$   |      |    |       | 120      |   |        |   |   |       |   |          |        |        |
| 21      |         |        |        |        | $\Box$ | $\Box$   |          |        |               |          |       | 71       |   |        |                |          | $\Box$  | $\perp$   | $\perp$   |  |      |    |       | 121      |   |        |   |   |       |   |          |        |        |
| 22      | 0       | $\Box$ |        |        |        | $\Box$   | $\Box$   |        |               |          |       | 72       |   |        |                |          | $\Box$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |   | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |      |    |       | 122      |   |        |   |   |       |   |          | $\Box$ |        |
| 23      | 0       |        |        |        | ┚      | J        |          |        |               |          |       | 73       |   |        |                |          | $\Box$  | $\Box$  | $\Box$  | $oldsymbol{\mathbb{T}}$  |      |    |       | 123      |   |        |   |   |       |   |          | J      |        |
| 24      | 0       |        |        |        |        | T        |          |        |               |          |       | 74       |   |        |                |          |   | $\Box \Gamma$   | T   | $\perp$  |      |    |       | 124      |   |        |   |   |       |   |          | $\Box$ |        |
| 25      | 0       |        |        |        |        |          |          |        |               | :::I     |       | 75       |   |        | ╗              | $\Box$   |   | $\Box$  |   |  |      |    |       | 125      |   |        |   |   |       |   |          | コ      |        |
| 26      |         |        |        |        |        | $\Box$   |          |        |               |          |       | 76       |   |        |                |          |   | $\Box$  | $\Box$  |  |      |    |       | 126      |   |        |   |   |       |   |          |        |        |
| 27      |         |        |        |        |        | $\neg$   | $\neg$   |        |               |          |       | 77       |   |        | $\neg$         | $\Box$   | $\sqcap$  | T   | 1   |  |      |    |       | 127      |   |        |   |   |       |   |          | $\neg$ |        |
| 28      | 5       |        |        |        |        | ┪        | ╛        | ╗      | $\neg$        |          |       | 78       |   |        | $\neg$         |          | T   | 1   | T   | Т  | ٦    |    |       | 128      |   |        |   |   |       |   | П        | $\neg$ |        |
| 29      | 0       | П      |        |        |        | ╗        | $\Box$   | $\neg$ | $\neg$        |          |       | 79       |   |        | $\neg$         | $\neg$   |   |   | Т   |  |      |    |       | 129      |   |        |   |   |       |   |          | $\Box$ |        |
| 30      | 0       |        | $\neg$ |        | $\neg$ | コ        | $\neg$   | $\neg$ | $\overline{}$ |          |       | 80       |   |        | $\neg$         | $\neg$   | $\neg$  | T   | T   | 7  | ٦    |    |       | 130      |   |        |   |   |       |   | $\Box$   | $\neg$ |        |
| 31      |         |        |        |        | ╗      |          |          |        |               |          |       | 81       |   |        | _1             |          |   | ▔   | _   | 1  |      |    |       | 131      |   |        |   |   |       |   |          |        |        |
| 32      |         |        |        |        |        |          |          |        |               |          |       | 82       |   |        |                |          |   | $\Box$  | T   | J  |      | :: |       | 132      |   |        |   |   |       |   |          | $\Box$ |        |
| 33      | 0       |        |        |        |        |          |          |        |               |          |       | 83       |   |        |                |          |   | $\Box$  | T   | Ι  |      |    |       | 133      |   |        |   |   |       |   |          | $\Box$ |        |
| 34      | Ö       |        |        |        |        |          |          |        |               |          |       | 84       |   |        |                |          |   | $\Box$  | $\perp$   | $\perp$  |      |    |       | 134      |   |        |   |   |       |   |          |        |        |
| 35      | 0       |        |        |        | $\Box$ | $\Box$   |          | $\Box$ |               |          |       | 85       |   |        |                |          | $ \mathbb{J} $  | $_{ m I}$   | $\Box$  | $oldsymbol{ol}}}}}}}}}}}}}} $  |      |    |       | 135      |   |        |   |   |       |   |          | $\Box$ |        |
| 36      |         |        |        |        |        | J        |          |        |               |          |       | 86       |   |        |                |          |   | T   | I   | I  |      |    |       | 136      |   |        |   |   |       |   |          | $\Box$ |        |
| 37      | 0       |        |        |        |        | $\Box$   |          |        |               |          |       | 87       |   |        |                |          |   |   | Τ   | Ι  |      |    |       | 137      |   |        |   |   |       |   |          | $\neg$ |        |
| 38      |         |        |        |        | _1     | $\Box$ T | $\neg$   | T      |               |          |       | 88       |   |        | $\Box$         |          |   | T   |   | T  |      |    |       | 138      |   |        |   |   |       |   |          | $\neg$ |        |
| 39      |         |        |        |        | _1     |          |          | _1     |               |          |       | 89       |   |        |                |          |   |   | ▔   |  |      |    |       | 139      |   |        |   |   |       |   |          | _1     |        |
| 40      | Q       | П      |        |        |        |          |          | T      |               |          |       | 90       |   | $\Box$ | $\neg$         | $\neg$   |   | T   | Т   | T  | 7    |    |       | 140      |   | $\Box$ |   | Γ |       | П | $\sqcap$ | ヿ      | $\neg$ |
| (41     | Ιo      | П      |        | ╗      | 7      | 7        |          | ┪      |               |          |       | 91       | П | $\neg$ | ╗              | $\neg$   | ヿ   | 7   | T   | T  | ٦    | )  |       | 141      |   | $\Box$ |   |   |       | П | $\sqcap$ | $\neg$ | $\neg$ |
| 42      | 0       |        | $\neg$ | $\neg$ | $\neg$ | $\neg$   | ヿ        | ┪      |               |          |       | 92       | П |        | $\neg$         | $\dashv$ | 一   | T   | T   | $\top$   | ٦    |    |       | 142      |   | $\Box$ |   |   |       | П | $\neg$   | $\neg$ | $\neg$ |
| 43      |         |        | $\neg$ | $\neg$ | $\neg$ | 1        | $\neg$   | 寸      |               |          |       | 93       | П |        |                | $\neg$   | 7   | 丁   |   | 丁  | ٦    |    |       | 143      |   |        |   |   |       |   | 7        | ┪      | $\neg$ |
| 44      |         |        |        |        | _ 1    | $\dashv$ | 寸        |        |               |          |       | 94       | П |        |                | _1       | _1  | _   | 1   | $\top$   |      |    |       | 144      |   |        |   | М |       | П | 7        | 寸      | $\neg$ |
| 45      |         |        |        |        |        |          |          |        |               |          |       | 95       |   |        | $\neg$         | ヿ        |   | T   | T   | T  | ٦    |    |       | 145      |   |        |   |   |       |   | $\neg$   | 寸      | $\neg$ |
| 46      |         |        | ┪      | $\neg$ | 7      | 寸        | ┪        | ┪      |               |          |       | 96       | П | $\neg$ | ┪              | ┪        | 7   | $\top$  | T   | $\top$   |      |    |       | 146      | П |        |   | П |       |   | $\Box$   | 7      | ⊣      |
| 47      | 10      |        | 一      | ┪      |        | 7        | $\dashv$ | 1      |               |          |       | 97       | П | 7      | 7              | 一        | ┪   | $\top$  | 十   | $\top$   | ٦    |    |       | 147      |   |        |   | П |       |   | $\Box$ † | 7      | $\neg$ |
| 48      | 0       | Т      | 寸      | ┪      | ┪      | 寸        | ┪        | 7      |               |          |       | 98       |   |        | ᄀ              | $\neg$   |   | T   | 7   | 1  | ٦    |    |       | 148      |   |        |   |   |       |   | $\neg$   | 7      | ヿ      |
| 49      |         | П      | 7      | 7      | 寸      | $\dashv$ | ┪        | 7      | $\neg$        |          |       | 99       | П |        | ┪              | 7        | 1   | 十   | +   | _  | ٦    |    |       | 149      |   |        |   | М | П     | П | 一        | 十      | 7      |
| 50      |         |        |        | $\neg$ | 一      |          |          |        |               |          |       | 100      |   |        |                |          | 寸   | 1   | $\top$  | 1  | 7    |    |       | 150      |   | $\neg$ |   | П | Н     | П | 一        | 寸      | ヿ      |
|         | •       |        |        |        | _      | <u> </u> |          |        |               |          |       |          |   |        |                |          | _   | _   | _   |  | ┛.   | (  |       |          |   |        |   |   | لـــا | _ |          | _      |        |